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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOX KET NO.	CONFIRMATION NO
09/754,793	01:04:2001	James Allen Wambungh	TH-1714 (LIS)	3251
72	690 0510/2164		EXAM	INER
Beverlee G. Steinberg			TRAN, CEN	
c/o Shell Oil Co			ARTUNIT	PAPER NUMBER
Intellectual Property			AKTONI	PAPER NUMBER
P.O. Box 2463			1725	
Houston, TX 77252-2463				

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	09/754,793	WAMBAUGH, JAMES ALLEN
Office Action Summary	Examiner	Art Unit
	Len Tran	1725
The MAILING DATE of this communication of the Reply	on appears on the cover sheet w	with the correspondence address
A SHORTENED STATUTORY PERIOD FOR THE MAILING DATE OF THIS COMMUNICAT . Litations of eight may be a related us due to provision of 37 and 18 a	TON. CFR 1.138(a). In no event, however, may a lion. s, a reply within the statutory minimum of thi period will apply and will expire SIX (6) MO y statute, dusse the application to become A	regly be timely filed rty (30) days will be considered timely. NTHS from the making date of this communication. BANDONED (35 US C § 133)
Status		
1) Responsive to communication(s) filed or	22 April 2004	
	This action is non-final.	
3) Since this application is in condition for a	- illowance except for formal mat	tters, prosecution as to the merits is
closed in accordance with the practice u	nder Ex parte Quayle, 1935 C.I	D. 11, 453 O.G. 213.
Disposition of Claims		
4)⊠ Claim(s) 1 and 5-23 is/are pending in the	application.	
4a) Of the above claim(s) is/are wi	thdrawn from consideration.	
5) Claim(s) is/are allowed.		
 Claim(s) 1 and 5-23 is/are rejected. 		
 Claim(s) is/are objected to. 		
8) Claim(s) are subject to restriction	and/or election requirement.	
Application Papers		
9) The specification is objected to by the Ex	aminer.	
10) The drawing(s) filed on is/are: a)	accepted or b) objected to	by the Examiner.
Applicant may not request that any objection	to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the	correction is required if the drawing	g(s) is objected to. See 37 CFR 1.121(d).
11) The oath or declaration is objected to by	the Examiner. Note the attache	d Office Action or form PTO-152.
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for fe	oreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a) All b) Some * c) None of:		
 Certified copies of the priority docu 	iments have been received.	
Certified copies of the priority docu	ments have been received in A	Application No
Copies of the certified copies of th	e priority documents have been	received in this National Stage
application from the International E	Bureau (PCT Rule 17.2(a)).	

Notice of Draftsperson's Patent Drawing Review (PTO-948)
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

Attachment(s)
1) D Notice of References Cited (PTO-892)

6) Other:

Application/Control Number: 09/754,793 Art Unit: 1725

DETAILED ACTION

Claim Rejections - 35 USC 8 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all
obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

 Claims 1 and 5-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over Addiego et al (US 6.623.707), and further in view of Lachman et al (US 4.912.077).

Addiego et al disclose a method for equalizing heat distribution across a catalyst in a tube reactor for dehydrogenation of ethylbenzene. The tube having a center and channels molded therein for directing a feed therethrough so as to direct the flow of heat toward the center of the catalytic monolith. In addition, iron oxide is useful in the catalytic dehydrogenation of ethylbenzene to styrene (col. 1, lines 1-15 and figures).

Addiego et al fail to teach a ceramic monolith support impregnated with a catalytically reactive metal such as silver, nickel, cobalt, and molybdenum.

However, Lachman et al disclose the method of preparing a unitary composite structure exhibiting catalytic activity consisting essentially of silver, cobalt, nickel and molybdenum for the purpose of using in oxidizing, or in the alternative, reducing environments, and in thermally and mechanically stressful environments (col. 2, lines 1-58 and col. 1, lines 15-20). Application/Control Number: 09/754,793 Art Unit: 1725

Therefore, it would have been obvious to one of ordinary skill in the art at the time applicant's invention was made to provide a catalyst with precious metal as taught by Lachman, in Addiego et al in order to be used in thermally and mechanically stressful environment.

Response to Arguments

- Applicant's arguments with respect to claims 1 and 5-23 have been considered but are
 moot in view of the new ground(s) of rejection.
- Applicant's amendment necessitated the new ground(s) of rejection presented in this
 Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a).
 Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Len Tran whose telephone number is (571) 272-1184. The examiner can normally be reached on M-F. 8:30 - 5. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Dunn can be reached on (571) 272-1171. The fax phone number for the organization where this application or proceedine is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-917 (foll-free).

> Len Tran Examiner Art Unit 1725

LT June 1, 2004

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